



(11) **EP 1 489 362 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
16.02.2011 Bulletin 2011/07

(51) Int Cl.:
F24C 15/04^(2006.01) F24C 7/08^(2006.01)

(43) Date of publication A2:
22.12.2004 Bulletin 2004/52

(21) Application number: **04100832.7**

(22) Date of filing: **02.03.2004**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

(72) Inventor: **FUMAGALLI, Silvano**
20052 Monza (MI) (IT)

(74) Representative: **Mittler, Enrico et al**
Mittler & C. S.r.l.
Viale Lombardia, 20
20131 Milano (IT)

(30) Priority: **07.03.2003 IT MI20030099 U**

(71) Applicant: **Candy S.p.A.**
20052 Monza (MI) (IT)

(54) **Door for household appliance**

(57) A door for electric household appliance is described, comprising an annular supporting structure (3) for at least one first transparent glass plate (4) having width and height smaller than the ones of the supporting structure (3). The periphery (6) of said at least one first glass plate (4) is coupled to said supporting structure (3) and the latter is provided with means (7) for the hinging of the door (1, 100) to the electric household appliance (2) in correspondence of a cavity (200) of the latter. The at least one first glass plate (4) is faced toward the cavity (200) of the appliance (1, 100) with door (1) closed. The door comprises a second glass plate (8, 80) glued onto a surface (9) of the supporting structure (3) in order to be opposite to said first glass plate (4) and faced toward the exterior of the appliance (2). The second glass plate (8, 80) comprises a first transparent part (10) in correspondence of the first glass plate (4) and it has height and width smaller than the latter and a second opaque part (11, 12) in correspondence of the periphery (6) of the first glass plate (4).

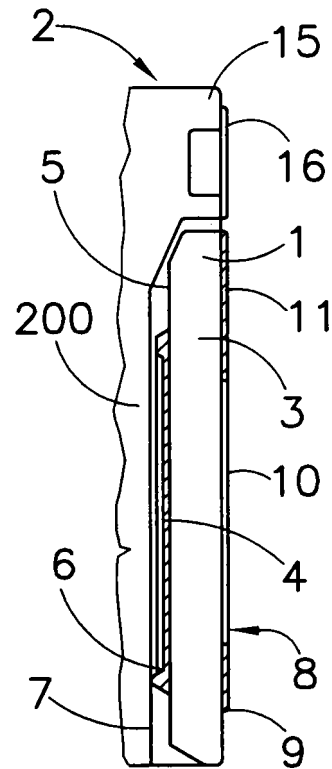


FIG. 2

EP 1 489 362 A3



EUROPEAN SEARCH REPORT

Application Number
EP 04 10 0832

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 197 38 506 C1 (AEG HAUSGERAETE GMBH [DE]) 18 March 1999 (1999-03-18)	1	INV. F24C15/04 F24C7/08
Y	* columns 2-4; claim 1; figures 1-3 * -----	2,3	
Y	EP 0 028 328 A1 (GAGGENAU WERKE) 13 May 1981 (1981-05-13)	2,3	
A	* pages 2-4; figure 1 * -----	1	
X	US 5 881 710 A (DAVIS KENNETH L [US] ET AL) 16 March 1999 (1999-03-16)	1	
X	* columns 2-5; figures 1-2,8 * -----	1	
X	US 3 877 460 A (LOTZ LARRY C ET AL) 15 April 1975 (1975-04-15)	1	
A	* columns 2-3; figures 1-3 * -----	1	
A	EP 1 178 264 A1 (AEG HAUSGERAETE GMBH [DE]) 6 February 2002 (2002-02-06)	1-3	
	* the whole document * -----		
			TECHNICAL FIELDS SEARCHED (IPC)
			F24C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		4 January 2011	Merkt, Andreas
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

1
EPO FORM 1503 03 82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 04 10 0832

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-01-2011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19738506	C1	18-03-1999	DE 19758721 A1	14-08-2002
EP 0028328	A1	13-05-1981	DE 2943917 A1	14-05-1981
			US 4363315 A	14-12-1982
US 5881710	A	16-03-1999	NONE	
US 3877460	A	15-04-1975	CA 1002841 A1	04-01-1977
EP 1178264	A1	06-02-2002	DE 10037881 A1	21-02-2002
			DK 1178264 T3	21-06-2004

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82